

U.S. Patent Application No. 10/087,250
Reply to Office Action Dated July 27, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Claims 3 and 5 are amended.

Claims 4 and 6 are cancelled.

Listing of Claims:

1. (Canceled)

2. (Canceled)

3. (Currently amended) Device according to Claim 6, Sealing device with a sensor for a rolling bearing, the sealing device comprising:

a sealing shield which is mounted between two races of the rolling bearing;

an encoder wheel which is arranged inside the rolling bearing between the two races and the shield; and

a detecting sensor comprising a detection surface which is arranged frontally in relation to the encoder wheel in a respective housing which is presented by the shield; and

wherein the housing comprises an elastic support wall which supports the sensor in a stable operating configuration suitable for detecting, in which the detection surface directly faces the encoder wheel.

wherein said wall defines a substantially annular window through said shield and which is made of substantially elastic material.

4. (Canceled)

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5. (Currently amended) Device according to Claim 63, wherein said shield comprises a support element which present a rigidity which is greater than a rigidity of said support wall, and which is arranged in substantial contact with one of said two races.

6. (Canceled)